

State of Illinois

FEB 03 1984

Dept. & Div. ILL EPA-MPCP Inspector Larry L. Minton Date 1/18/84
 (Signature) CONTROL PROGRAM
 Mine Name FIDELITY #11 Mine Company FREEMAN UNITED COAL COMPANY

IEPA M & M
 Permit No. NPDES PERMIT APPLIED FOR Permit No. County PERRY

General Location 5 MILES WEST OF Du Quoin

Arrival Time 1030 AM Weather Conditions COLD

RECLAMATION TYPE (Check Appropriate Type)

Mine Includes Prime Land Yes/ No
 Steep Slope Rule Applies Yes/ No
 Coal Preparation Yes/ No
 Not Applicable

Reason for Visit: ROUTINE

Persons Contacted:

GLEN HAMILTON - RECLAMATION SUPER.
BILL SMITH - PERMIT MGR.

PARAMETER CHECKLIST

1. Availability of: A permits B Plans
2. Imminent Danger to Public Health and Safety
3. Significant Imminent Environmental Harm
4. Signs and Markers: A. mine entrance B. perimeter C. blasting D. topsoil E. perimeter observance 1. 100' zone 2. 300' zone F. permit area correlation G. not investigated H. not applicable
5. Disposal Spoil and Waste Material Outside Pit or Direct Cast Site: (A) gob disposal 1. site capacity 2. covering 3. vegetation B. within permit area C. site approved D. slope of site E. steep slope rules F. valley fill or head of hollow fills: 1. permit area 2. location near ridge top 3. fill design 4. fill construction 5. steep slope rules 6. under drains 7. lateral drains 8. controlled placement 9. engineer inspection G. not investigated H. not applicable
6. Soil Handling: A. removal before other disturbance B. storage C. protection D. thickness E. root medium F. other overburden G. toxic material handling H. root medium satisfactory for top soil replacement (slope, thickness, texture) I. topsoil replaced J. grading current K. rills and gullies L. erosion control systems M. timely revegetation and mulching (N) not investigated O. not applicable
7. Prime Land: A. prime land determination B. soil horizon removal prior to other disturbance C. thickness removed D. approved horizon storage E. protection of stockpiles F. horizon replacement and thickness G. protection of replaced horizons H. grade (I) not investigated J. not applicable
8. General Water Quality and Hydrology: (A) waterways (I) unaffected area drainage diverted (2) affected area drainage ditches and berms 3. system maintenance B. grading C. vegetation D. toxic material E. horizontal boreholes (2) sediment ponds: 1. size 2. structure 3. spillway 4. clean out 5. over 20' high or over 20 acres foot storage (yes/ no) 6. seepage 7. structural weakness 8. discharge structure 9. chemical treatment system 9. (a). permitted yes/ no G. discharge water quality H. buffer zone (100') observance I. zone markers (J) NPDES permits required / yes/ no K. water quality L. not investigated M. not applicable

☐ TEMPORARY REPORT
☒ FINAL REPORT



9. Stream Channel or Other Water Diversion: A. temporary or permanent B. size adequacy C. stability D. gradient E. grade stability F. suspended solids G. sediment control H. channel design I. erosion control structures J. fish and wildlife protection K. vegetation L. removal of temporary structures M. structure removal procedures (N) not investigated O. not applicable
10. Road Hydrology: (A) culverts (B) ditches C. location choice D. grade E. stream closeness F. ditch relief drains G. outslope drains H. construction material toxic/ non-toxic I. maintenance J. railroad spur hydrology K. vegetation L. not investigated M. not applicable
- (11) Impoundment Structures: A. M.H.S.A. construction observance B. coal waste in structure C. freeboard D. stability E. seepage F. engineer inspection G. dam marker H. maintenance I. ditch and spillways J. changes in geometry of structure K. not investigated L. not applicable
12. Steep Slope Procedure: A. spoil on outslope B. debris C. highwall removal D. disturbance above highwall E. excess spoil F. instability of spoil and woody material G. not investigated (H) not applicable
13. Preparation Facility (includes crushing and screening): (A) water circuit 1. open system 2. closed system 3. no water circuit (B) slurry impoundment (1) berm stability a.) seepage (b.) vegetative cover c.) freeboard 2. acid producing potential C. not investigated D. not applicable
14. Domestic Wastewater Treatment Facilities: A. type of system 1. activated sludge package plant 2. lagoon - sandfilters 3. septic tank w/sand filters 4. other B. sand filter maintenance 1. weeds 2. raking 3. sand replacement C. chlorination D. certified operator (E) not investigated F. not applicable

LEGEND: O = parameter inspected: Ø = comment or question on the parameter

NOTE: Items circled were considered during this investigation. If nothing under a major item was investigated, circle either "not investigated" or "not applicable". Violation means violation or apparent violation.

✓ NO VIOLATIONS FOUND

✓ SEE ATTACHMENT

Indicated Parameter

Comments or Action Taken

Check Column

o.	Check Column	
	Vio- lation	Non-Vio- lation
GEN		✓
Comm		
5A		✓
8A1		✓
8F		✓
8J		✓
11		✓

ATTACHMENT

Freeman United Coal Mining Company
Fidelity #11
January 18, 1984

GENERAL COMMENTS: During this investigation, I spoke with Bill Smith, Permits Manager and Glen Hamilton, Reclamation Supervisor, in regard to the submission of Discharge Monitoring Reports. The site's expired NPDES permit had a six month schedule for submitting Discharge Monitoring Reports and I explained that the new NPDES permit would more than likely have a three month reporting schedule. Additionally, the MPCP Permit Section is preparing to issue a revised proposed construction authorization for the site which will be incorporated into the NPDES permit.

5. A.: I visited the gob disposal area which consists of filling in a valley or dewatered final cut lake. As the gob material is deposited, a large bulldozer levels and compacts it.

8. A. 1.: I observed the affected area surface runoff drainage ditches along the southern section of the site. It does not appear that any runoff water in the ditches would have much of a chance of intermingling with unaffected area surface runoff.


8. F.: I observed discharge 002 which was completely frozen over. I did observe water flowing through the culvert under the haul road to the north, but a sample there would not be representative of the site discharge.

I also observed proposed discharge 005 which had discharge waters flowing at approximately 25 gpm. The discharge waters appeared extremely clear, therefore, no sample was obtained.

8. J.: This site is not as yet permitted under NPDES, however, an application has been applied for and a construction authorization will be issued soon. Note: All Discharge Monitoring Reports have been submitted in accordance with the former NPDES permit and Agency requirements.

11.: It appears that the only outlet for the elongated freshwater impoundment, northeast of the preparation plant, is a road culvert which directs overflow waters into the preparation plant's water circuit.

GLM:mgg
1/27/84
cc: Dept. of Mines and Minerals
MPCP/Records Unit


Gary L. Minton
Environmental Protection Agency